

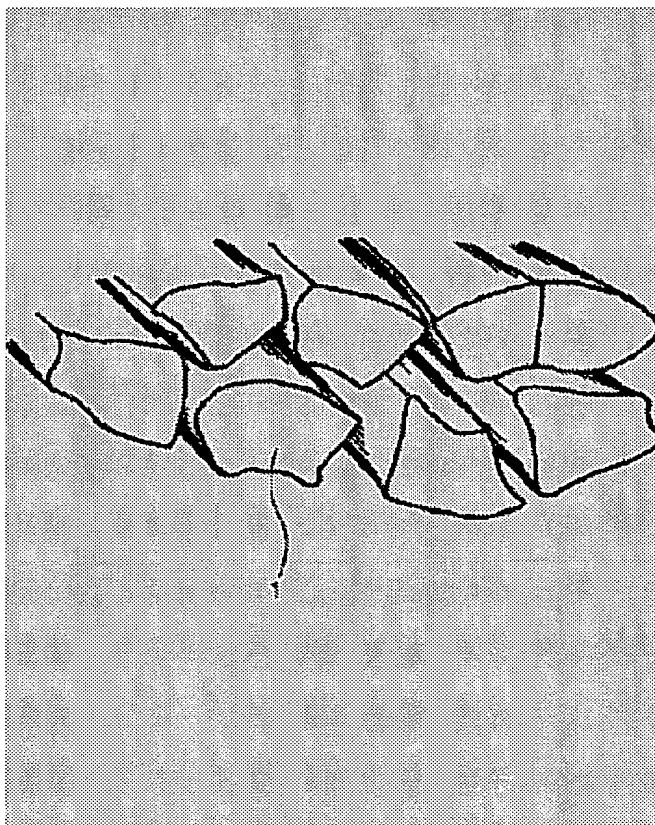
SEPARATOR MATERIAL, ITS MANUFACTURING METHOD AND CELL INCORPORATING ABOVE

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Abstract of JP2003031200

PROBLEM TO BE SOLVED: To provide a separator material and a cell incorporating above which can operate a split process without inducing a fiber ball phenomenon in a defibrating process when a wet paper-making web is made, has a good density of nonwoven fabric and uniformity of formation, does not inhibit passing of electrolyte solution of gas, has good liquid keeping property and has a good cell property. **SOLUTION:** The separator material is composed of wet nonwoven fabric which includes a range of not less than 5 mass% and not more than 75 mass% separate type conjugated fiber structured with a plurality of different components of polyolefin system resin, and other polyolefin system fibers of not more than 25 mass% to not less than 95 mass% with fineness range of not less than 0.1 dtex to not more than 3 dtex. At least a part of the separate type conjugated fiber is divided to form a very fine fiber of fineness of less than 0.5 dtex having a nearly trapezoid-shaped fiber cross section, and is hydrophilized.



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